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SPEECH COMMAND INPUT RECOGNITION SYSTEM FOR INTERACTIVE
COMPUTER DISPLAY WITH MEANS FOR CONCURRENT AND MODELESS
DISTINGUISHING BETWEEN SPEECH COMMANDS AND SPEECH
QUERIES FOR LOCATING COMMANDS

Abstract

5 A speech recognition system which does not switch
modes of operation when interpreting speech queries, such
as help queries, or receiving actual spoken commands.
The system handles both concurrently and seamlessly in
10 the same operation mode. The present invention is
directed to an interactive computer controlled display
system with speech recognition comprising means for
predetermining a plurality of speech commands each
associated with a corresponding plurality of system
15 actions in combination with means for concurrently
detecting speech commands and speech queries for locating
commands. There is also provided means responsive to a
detected speech command for carrying out the system
action corresponding to the command, and means responsive
20 to a detected speech query for attempting to locate
commands applicable to said query. The system also
includes means for displaying the detected speech query
together with means for displaying located commands
applicable to said query. The system may further include
25 means responsive to a detected speech query for modifying
a displayed prior speech query whereby a user may speak a
displayed located command to activate said means for
carrying out a system action or speak a query to modify
said prior query to locate commands other than said
30 displayed commands without switching between command and
query modes of speech detection.